



## Features:

- 3  $\emptyset$  (True rms) Voltage
- 3  $\emptyset$  (True rms) Current
- 3  $\emptyset$  Power Factor
- 3  $\emptyset$  Power (Active, Reactive, Apparent)
- Energy (Active, Reactive, Apparent)
- Frequency
- Programmable CT/PT Primary/Secondary
- Modbus RTU Communication (RS485) (Optional)
- Single Pulse Output

Size: 96mm x 96mm (1/4 DIN)

Certifications:  

## Technical Specifications

### Display

Display	3 row, LED
Digit	4
Digit Height	0.56" (14.2mm)

### Input Specifications

Electrical Connection	3 $\emptyset$ -3/4 wire, 2 $\emptyset$ -3 wire, 1 $\emptyset$ -2 wire
Input Voltage Range	19 to 519V AC, (Phase to Phase) 11 to 300V AC, (Phase to Neutral)
Input Current Range	10mA - 5A (6A Max)
Frequency	45Hz - 65Hz
Display Scrolling	Automatic / manual
Display Reset	Programmable (for energy)
Resolution	For energy: 0.01k, 0.1k, 1k, 0.01M, 0.1M, 1M (depending upon CT ratio X PT ratio) For Power, Voltage, Current: Auto resolution For Power factor: 0.001
Accuracy	Voltage (L-N / L-L), Current: $\pm 0.5\%$ of F.S Power factor: $\pm 1\%$ Frequency: $\pm 0.1\%$ (For $V > 20V$ L-N, $V > 35V$ L-L) Power (kW, kVA, kVAR): 1% Energy (Active, Reactive, Apparent): Class 1
Memory Retention	10 years (for energy)
Measuring Parameters	Voltage (L-L / L-N) (Individual / Average) Current (I1, I2, I3) (Individual / Average) Frequency, Power Factor (Individual / Average) Active, Reactive & Apparent power (Individual / Total), Active, Reactive & Apparent Energy (Total)

### Output Specifications

Pulse Output	Voltage Range: External 24V DC Current Capacity: 100mA max Pulse Width: 100 ms $\pm$ 5 ms
Communication	RS485 MODBUS Communication

### Supply Specifications

Auxiliary Supply	MFM374/374-C: 85 to 270V AC (50/60 Hz) MFM374/374-C-24V: DC- 18 to 42V AC- 18 to 28V (50/60 Hz)
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### Resettable Parameters

C.T Primary	1A/5A to 10,000A (Programmable for any value)
C.T Secondary	1A/5A (External CT must be connected for current more than 5A)
P.T Primary	100V to 500kV (Programmable for any value)
P.T Secondary	100V to 500V (L-L) (Programmable for any value)

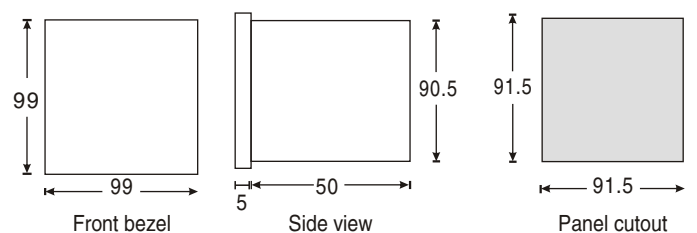
### Environmental Specifications

Temperature	Operating Temperature: -10 to +55 $^{\circ}$ C Storage Temperature: -20 to +75 $^{\circ}$ C
Humidity (non-condensing)	Upto 85% RH

### Mechanical Specifications

Mounting	Panel mount
Weight	MFM374/374-C: 320gms MFM374/374-C-24V: 300gms
Protection Level	IP65 for faceplate

### Dimensions



### Terminal Connections

**MFM374/374-C**

valid for communication model only

**MFM374/374-C-24V**

valid for communication model only

**UL US Cable Size (AWG):** 20 to 14 ; **Tightening Torque (Lb-inch):** 6.018 to 6.992

**IEC Cable Size (mm²):** 0.5 to 2.5 ; **Tightening Torque (N-m):** 0.68 to 0.79

### Ordering Information

Part No.	Supply Voltage		Output		Certification	
	85-270V AC	DC- 18 to 42V AC- 18 to 28V (50/60 Hz)	Pulse Output	Commn (RS485)	CE	UL LISTED
MFM374	■		■			
MFM374-CU	■		■		■	■
MFM374-24V		■	■			

**Note :** For MFM374-C(Communication version) / MFM374-C-CU / MFM374-C-24V please contact factory.

**EN-VIEW:** Windows based communication software available for data logging.